

# FIG. 1

## THE PRACTICE OF SURGICAL PATHOLOGY Conventional Pathway From Surgery to Tissue Diagnosis

### DAY 1

Surgery → "grossing" → batching of specimens → batched  
specimens input into processor → overnight processing

### DAY 2

Batched specimens output from processor → block →  
microtomy → H&E stain → diagnosis

INTERVAL OF TIME FROM SURGERY TO  
DIAGNOSIS: >22 HOURS

## FIG. 2

### THE PRACTICE OF SURGICAL PATHOLOGY Continuous Throughput Method-Pathway From Surgery to Tissue Diagnosis

#### DAY 1

Surgery → "grossing" → continuous every 15 min specimens input  
into 45 min processing system → continuous every 15 min output  
of specimens from system → block → microtomy → H&E stain →  
diagnosis

INTERVAL OF TIME FROM SURGERY TO  
DIAGNOSIS: <2 HOURS

FIG. 3

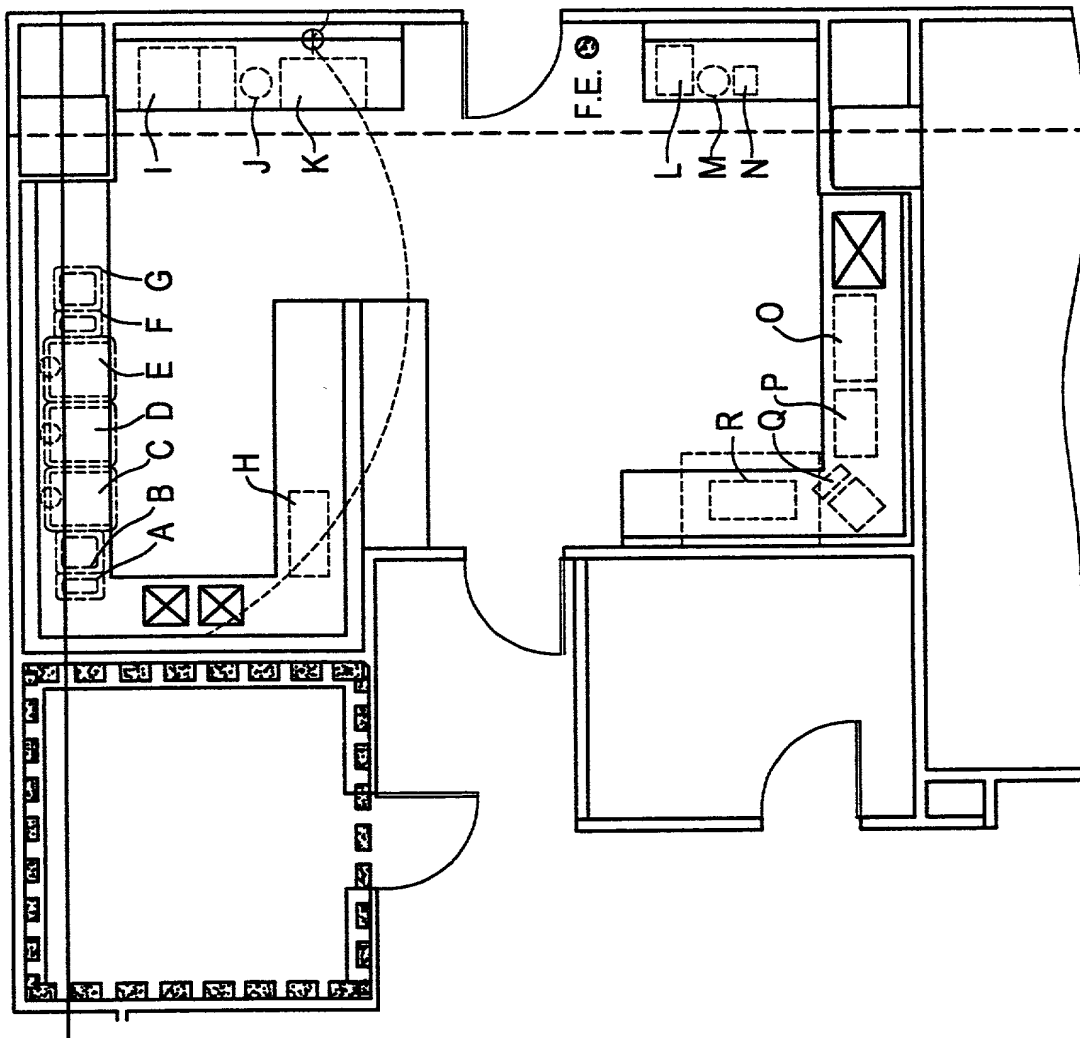


FIG. 4

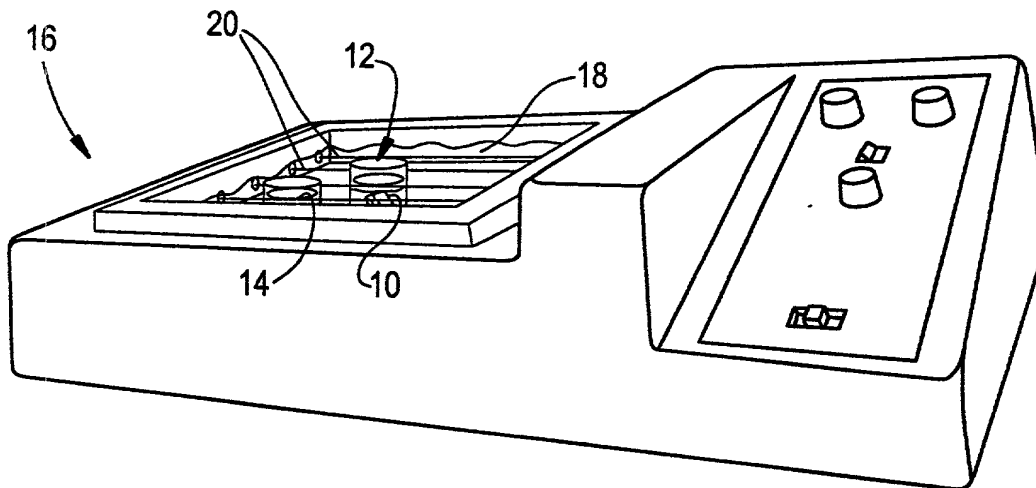


FIG. 5

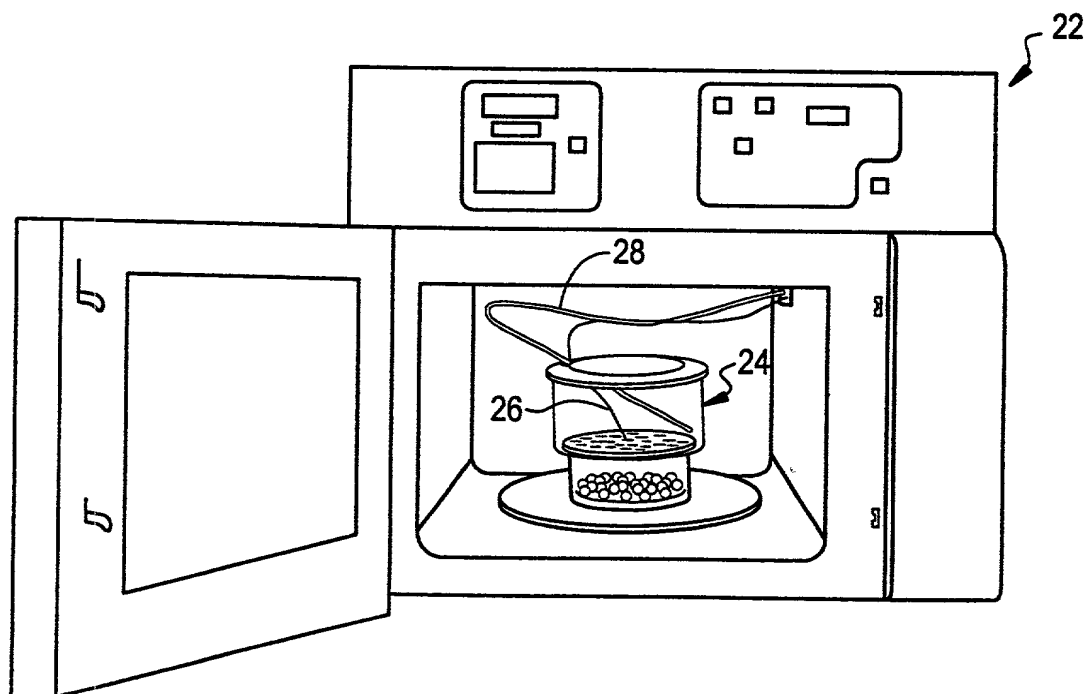
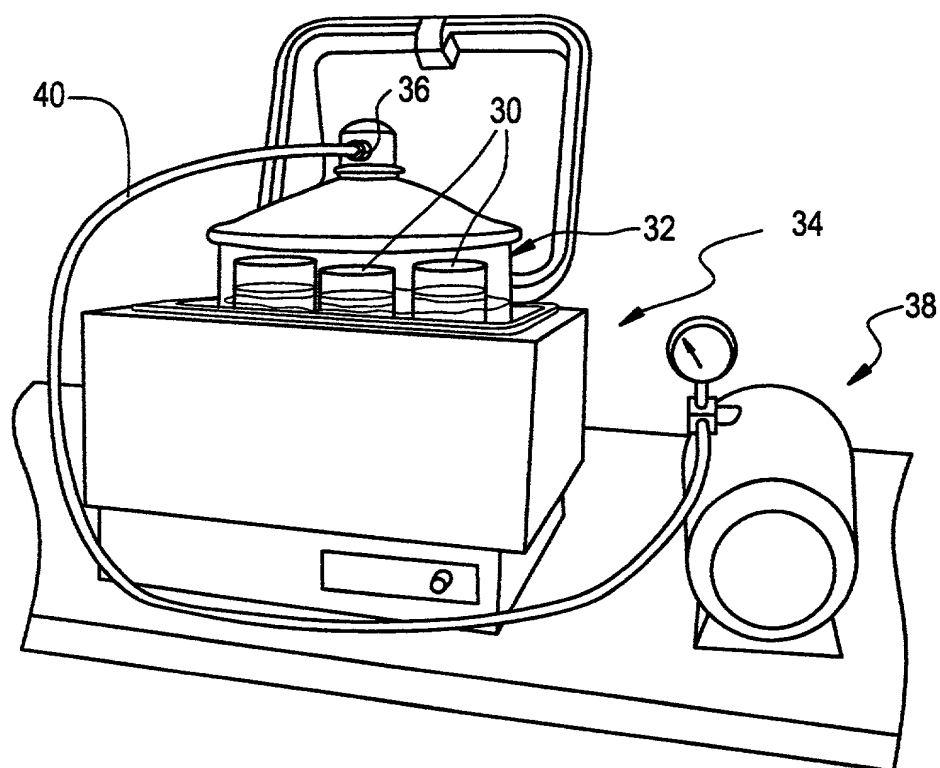
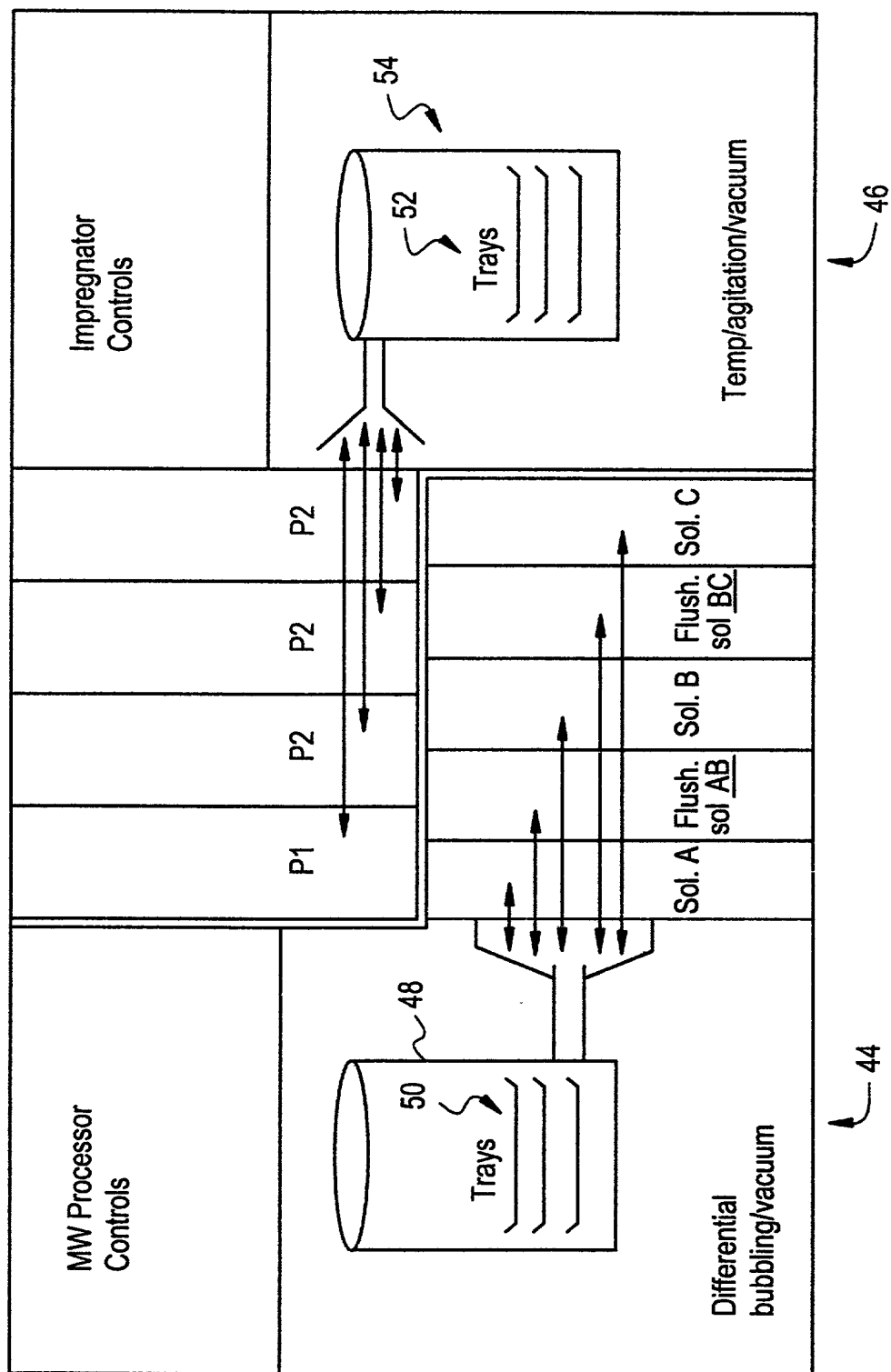


FIG. 6



# FIG. 7

42



46

44

54

48

50

52

Trays

Trays

P1

P2

P2

P2

P3

Sol. A

Flush. sol AB

Sol. B

Flush. sol BC

Sol. C

Differential bubbling/vacuum

Temp/agitation/vacuum

Impregnator Controls

MW Processor Controls

Fig 8 A

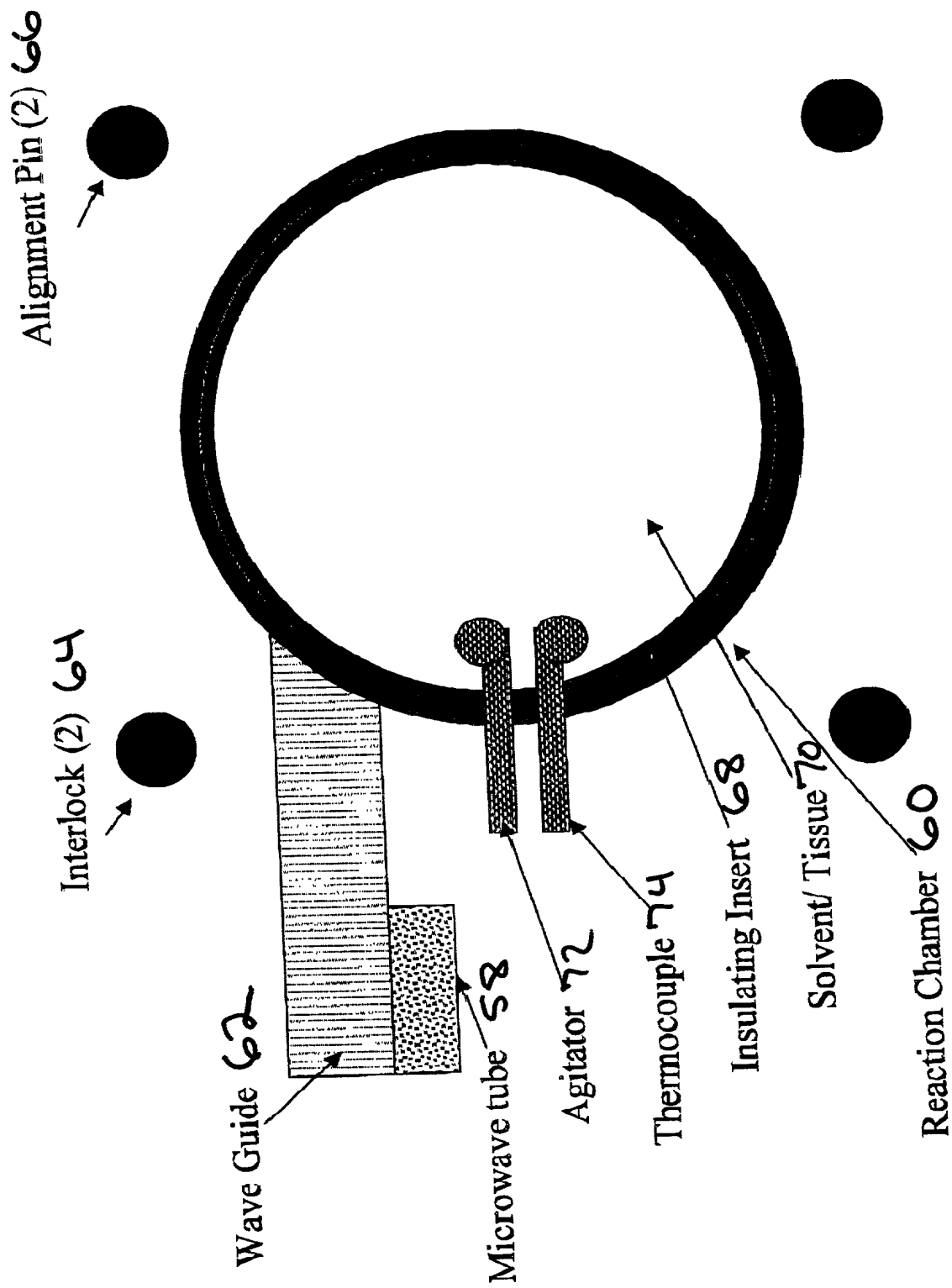


Fig 8 B

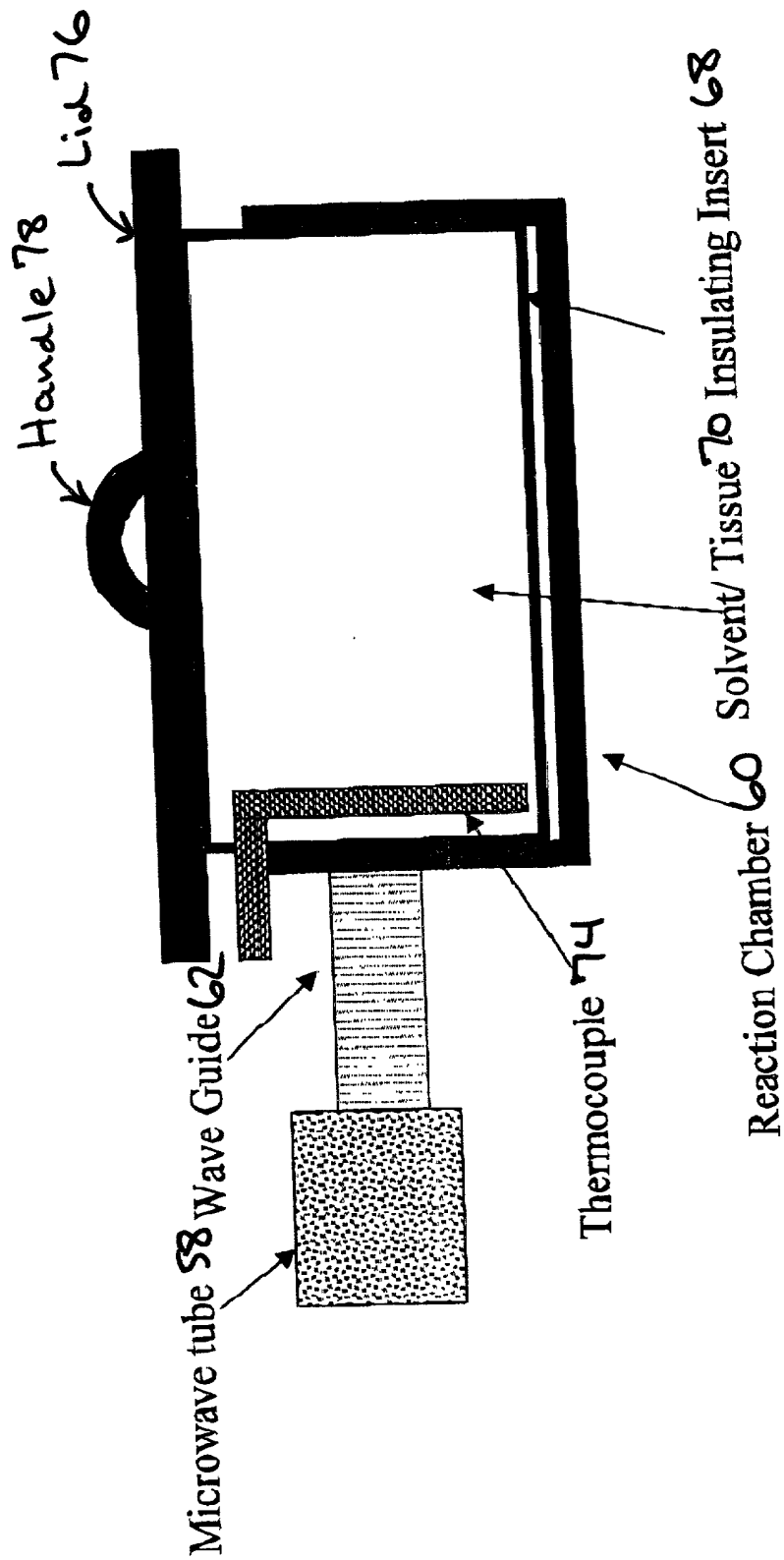
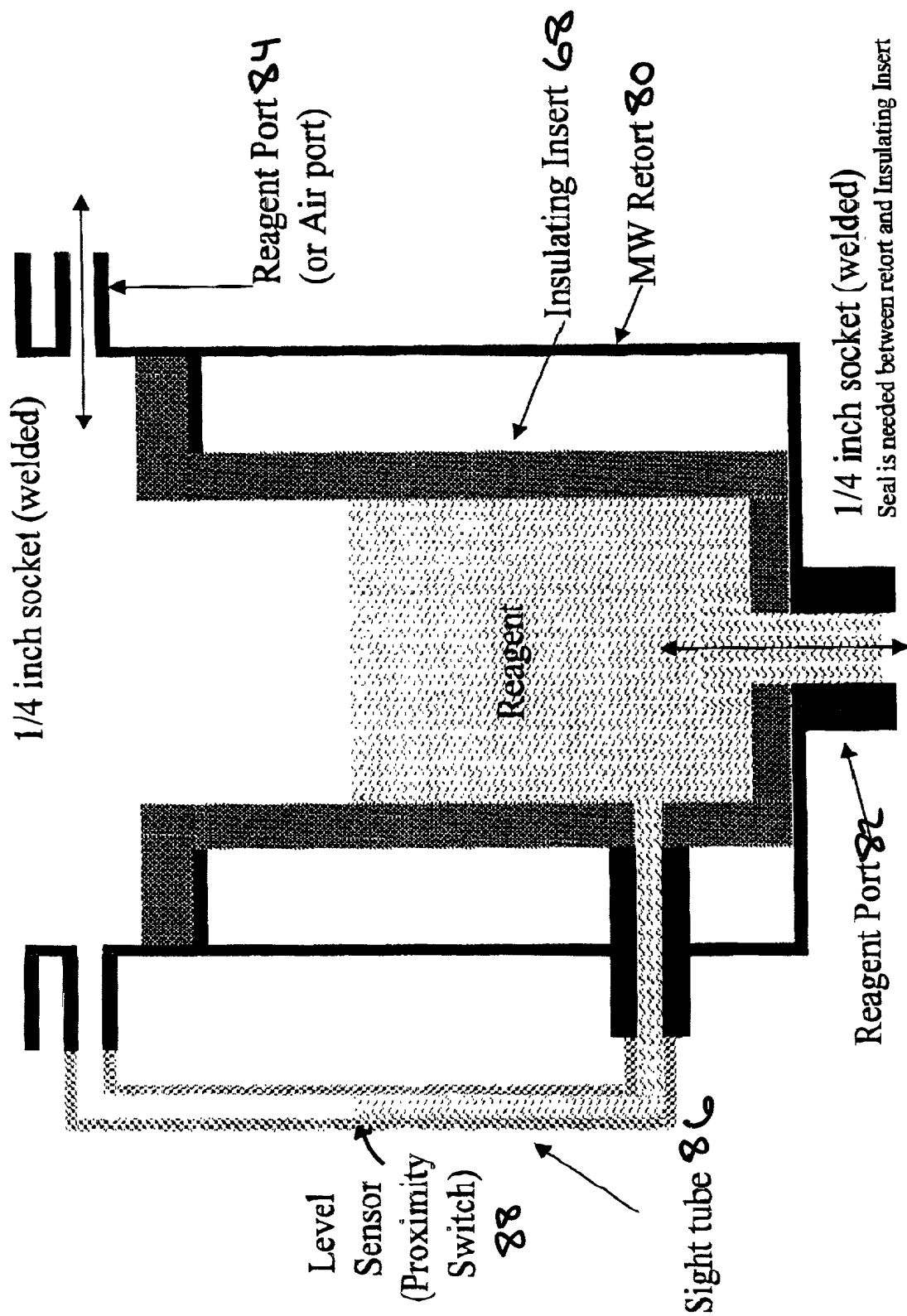
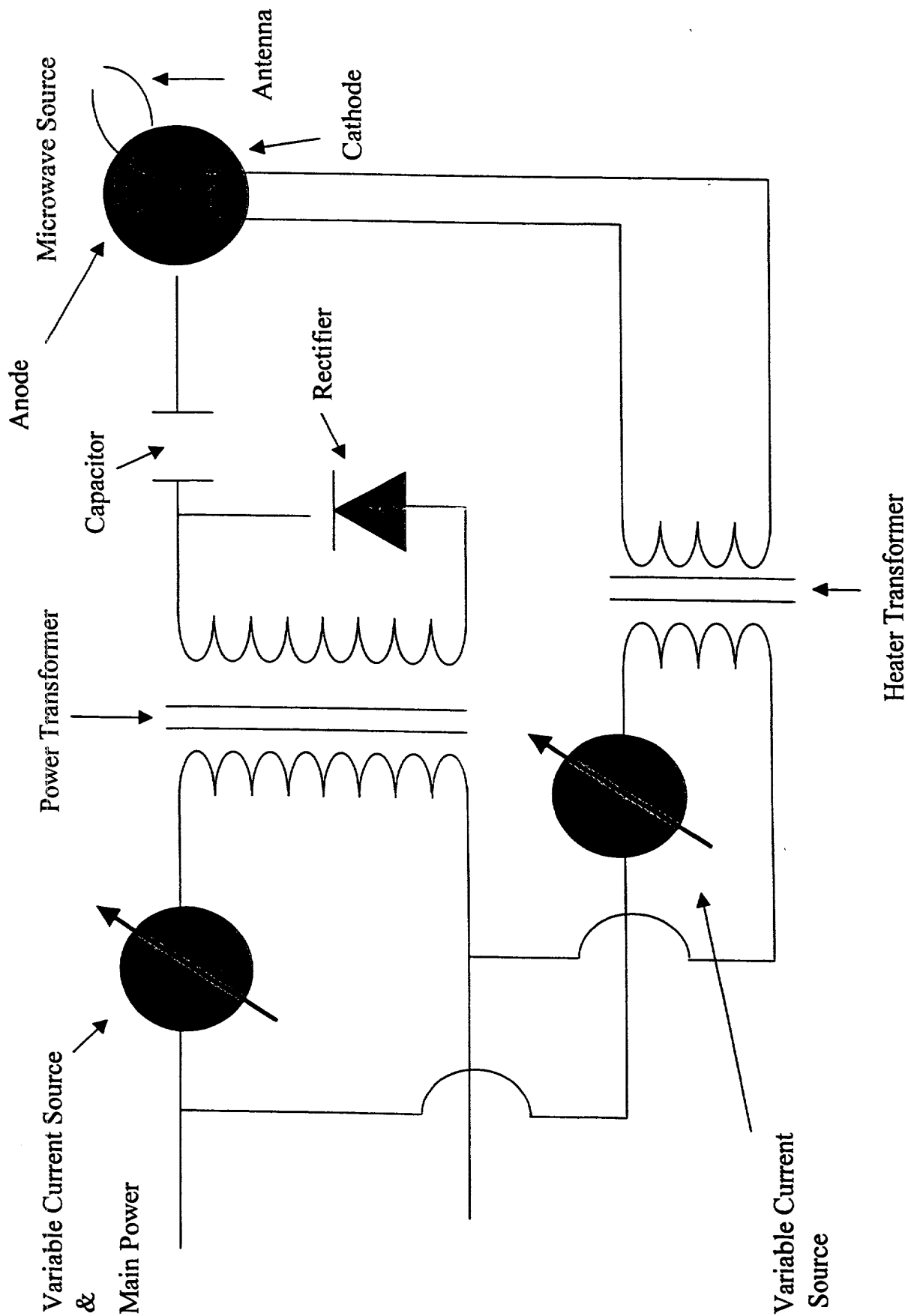




Fig 8 C



**Fig 9**



**Fig 10**

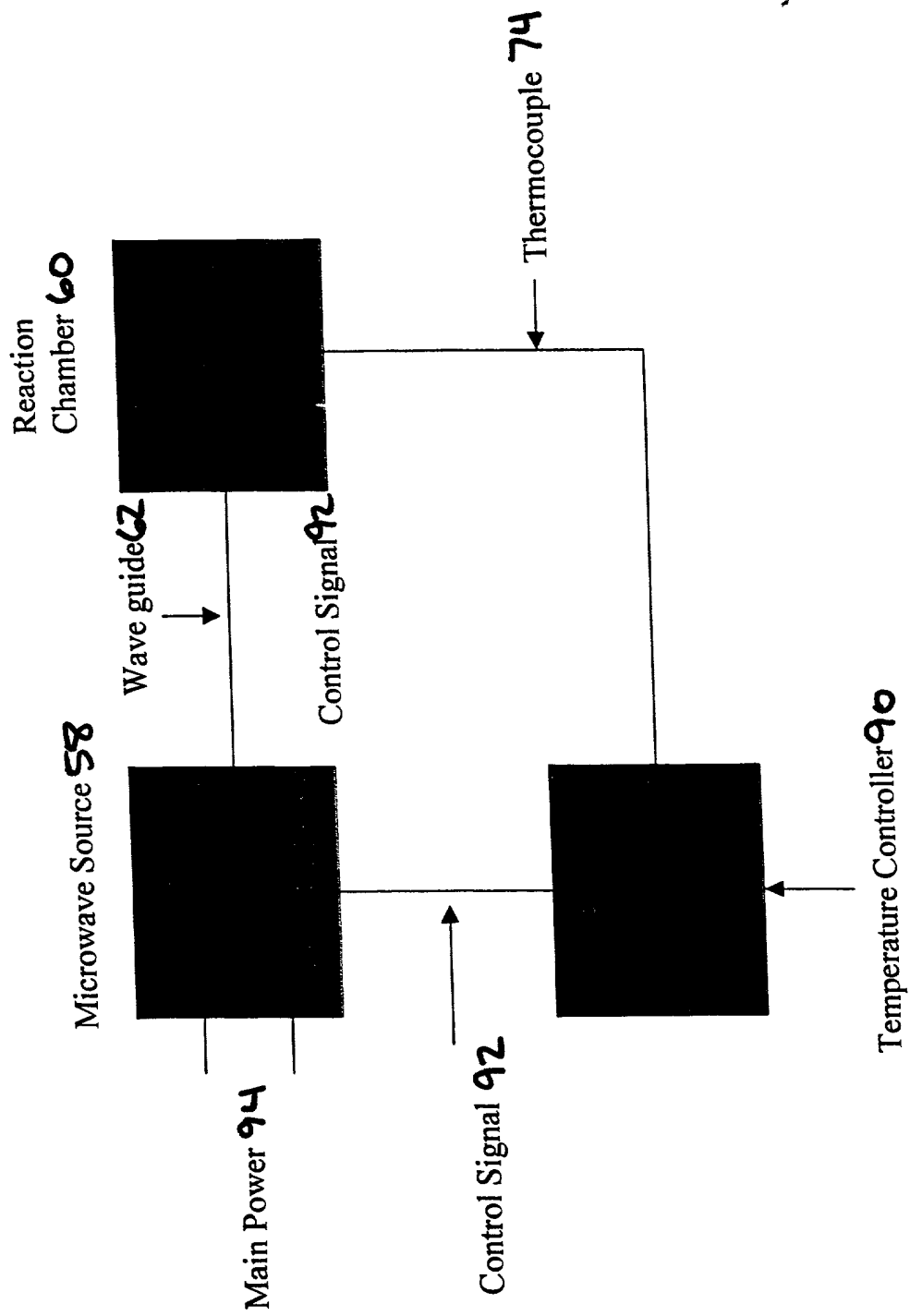


Fig 11  
Impregnation Station

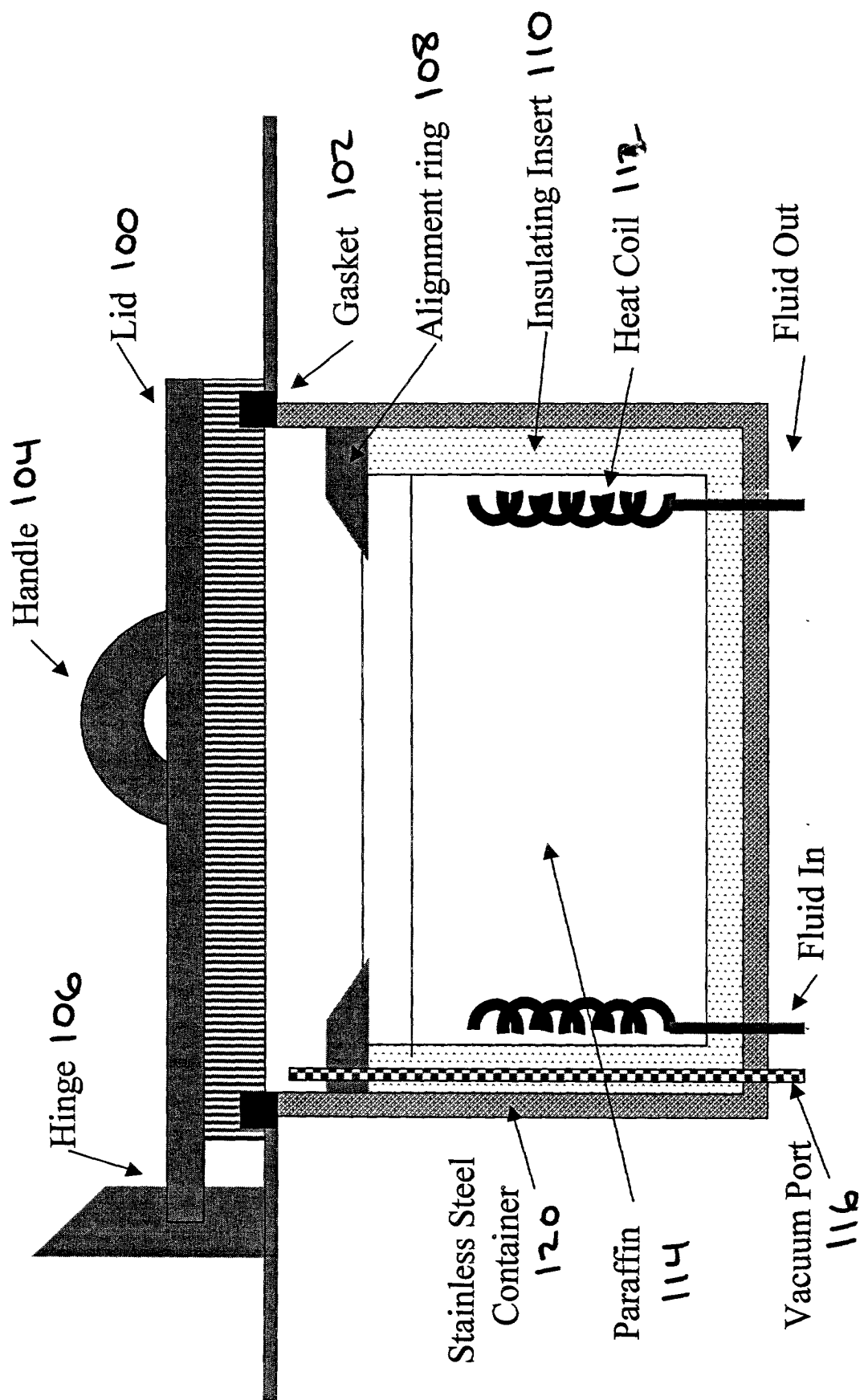


Fig 12

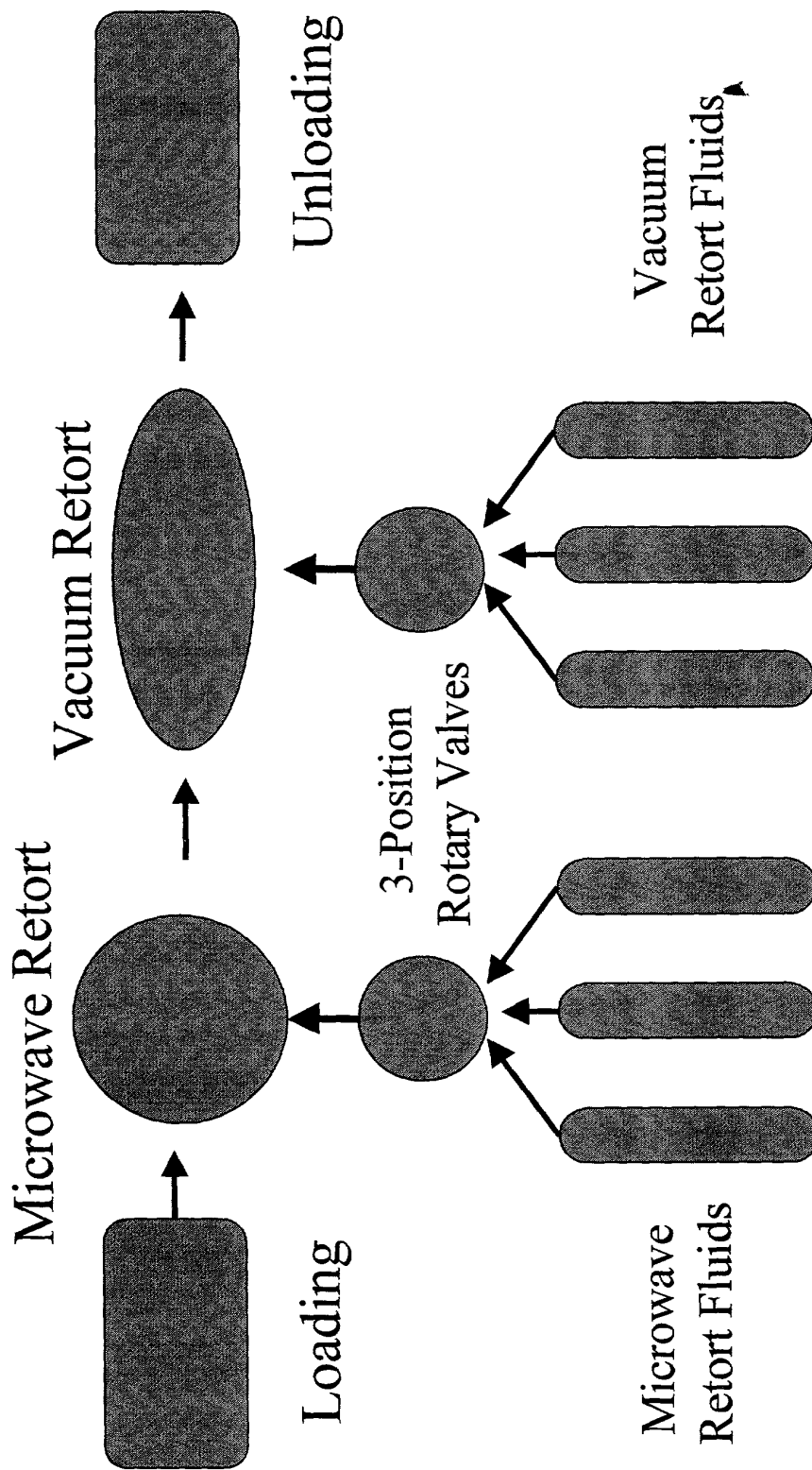


Fig 13

